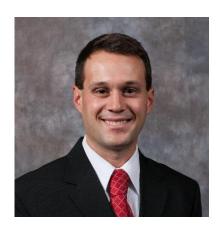
PERSONNEL QUALIFICATIONS



Casey R. Jones | Senior Associate



EDUCATION

- Purdue University
 - Bachelor of Science, Civil Engineering, 2013
- Texas A&M University
 - Master of Science, Civil Engineering, 2015

PRACTICE AREAS

- Bridges and Civil Infrastructure
- Concrete Structures
- Corrosion
- Repair and Rehabilitation
- Structural Analysis
- Instrumentation/Monitoring/ Load Testing

REGISTRATIONS

- FAA Licensed Remote Pilot
- NACE Certified Cathodic Protection Technician
- NACE Certified Coating InspectorLevel 1 (with Bridge Specialty)
- NHI Course 130055 Safety Inspection of In-Service Bridges
- NHI Course 130078 Fracture Critical Inspection Techniques for Steel Bridges
- Professional Engineer in AZ, NM, NV, and TX

PROFESSIONAL AFFILIATIONS

Association for Materials
 Protection and Performance
 (formerly NACE International)

CONTACT

cjones@wje.com 626.696.4650 www.wje.com

EXPERIENCE

Since joining WJE in 2015, Casey Jones has performed assessments, evaluations, and rehabilitations of existing bridges, buildings, and other infrastructure. His projects include investigations and repair design of distressed concrete structures, corroded steel structures, and foundation settlement problems. Mr. Jones' experience also includes destructive and nondestructive field testing of structural systems.

Prior to joining WJE, Mr. Jones worked as a graduate research assistant investigating the use of several nondestructive evaluation (NDE) techniques to perform condition assessments of bridge post-tensioning and stay cable systems. In this research, he evaluated such NDE methods as ground penetrating radar, infrared thermography, ultrasonic tomography, and magnetic flux leakage.

REPRESENTATIVE PROJECTS

Bridges and Civil Infrastructure

- Austin Avenue Bridges Georgetown, TX: Condition assessments of two steel girder bridges
- Mosaic Faustina Ammonia Plant Ship Dock -St. James, LA: Above-water inspection
- Port of Houston Wharves TX: Structural assessment of multiple ship wharves
- SH 99 Overpass Houston, TX: Investigation of prestressed concrete girder damaged during construction
- University Drive Bridge Mesa, AZ: Material evaluation of cracking distress within concrete bridge deck

Concrete Structures

- CHI St. Luke's Health The Woodlands, TX: Evaluation of distressed slabs
- Compressor Support Structure Freeport, TX: Evaluation of potential voiding in concrete tabletop structure
- Orchards Inn Pool Structure Sedona, AZ: Evaluation of pool foundation elements exhibiting settlement
- One Oakbrook Terrace Oakbrook Terrace,
 IL: Development of shoring plan during concrete repairs
- Ship Mooring Structure Port Arthur, TX:
 Evaluation of potential voiding in concrete structure

Corrosion

- Barbours Cut Wharf 5 Houston, TX:
 Assessment, service life modelling, and development of repairs for ship wharf
- Tabletop Foundation Enid, OK: Development of corrosion mitigation repairs
- Port of Houston Wharves TX: Corrosion assessments of multiple ship wharves
- Sam Rayburn Dam Substation Jasper, TX: Investigation of corrosion distress within foundation elements
- Various Bridges Olive Branch, MS: Corrosion assessment of multiple bridge decks and superstructures

Repair and Rehabilitation

- Mustang Cat Facility Houston, TX: Concrete tilt-up wall panel repairs incorporating cathodic protection
- U.S. Bank Parking Garage Milwaukee, WI: Assessment of flange connections between precast double-tee elements
- Washington University Parking Garage -St. Louis, MO: Development of repair drawings and specifications

Structural Analysis

- 1801 Main Parking Garage Houston, TX: Analysis of garage deck, superstructure, and vehicular barrier system
- Federal Reserve Bank Phoenix, AZ: Analysis of existing roof structure for installation of photovoltaic solar panels
- Parc IV and V Condominiums Houston, TX:
 Evaluation of existing steel support structures for rooftop cooling tower units

Instrumentation/Monitoring/Load Testing

- 1801 Main Parking Garage Houston, TX: Instrumentation and load testing of garage deck to determine code compliance
- Capitol Tower Parking Garage Houston, TX: Tension testing of prestressed vehicular barrier cables
- Edwards Elementary School Chicago, IL: Instrumentation and load testing of roof structure
- Palo Verde Nuclear Generating Station -Tonopah, AZ: Load testing of precast deck anchors on cooling towers

